

**IN THE CLAIMS:**

Please amend Claims 1-4 as set forth below.

A complete listing of all claims and their current status is presented below. In the changes made to the claims by the current amendment, deletions are double bracketed (e.g., [[deletions]]) or shown by strikethrough (e.g., ~~deletions~~), and additions are underlined (e.g., additions).

1. (Currently Amended) A [[P]]precision dendrometer, of the type based on the use of extension measurement bands as resistances for a Wheatstone Bridge type circuit, [[that ]]said dendrometer consisting[[s]] of:

a sensor holder that serves as a part for securing the dendrometer to a plant; and  
[[, the]]

an electronic interface [[that ]]connecting[[s it]] the sensor holder to [[the]]a data collector equipment and a sensor;

~~characterised wherein~~ [[that]]said sensor [[is formed by]] comprises a cylindrical body (13) of aluminium, the cylindrical body (13) of aluminum coupled to [[which one]] a first end of an aluminium sheet (10) on which the extension measurement bands are mounted, ~~is fixed~~; [[the other ]]a second end of the aluminium ~~band~~sheet (10) [[being in ]]contacting [[with ]]the plant (18), and wherein said sensor is configured to determine[[ing]] a dimensional variation of the plant according to, ~~by means of the a~~ pressure exerted by [[this latter]] the plant, ~~its dimensional variations~~.

2. (Currently Amended) The [[P]]precision dendrometer ~~of, according to the previous claim 1, wherein characterised in that the~~ second end of the aluminium sheet (10) in

~~contact with the plant~~ has a double bend with convergent side edges, forming a ~~[[n]]~~ substantially  
~~approximately triangular-angular and rounded end (11).~~

3. (Currently Amended) The ~~[[P]]~~precision dendrometer ~~of, according to~~ claim 1,  
wherein characterised in that the sensor holder (15) comprises:

~~has a part with a cylindrical cavity configured to hold where the cylindrical body~~  
(13) of aluminum ~~the sensor is housed and held;~~ and

~~a number plurality of rods (16) acting as feet being connected with said part of the~~  
~~sensor holder (15), and at least one of the plurality of rods is coupled to which a part~~  
(17)~~[[,]]~~ for adjusting and securing the precision dendrometer to the plant ~~(8) in which the~~  
~~dendrometer is installed, is linked.~~

4. (Currently Amended) The ~~[[P]]~~precision dendrometer ~~of, according to~~ claim 3,  
wherein characterised in that the plurality of rods (16) are fabricated from material that has a  
zero coefficient of expansion, to allow the constant variation microns of the plant (18) to be  
measured.